

Claims

1 1. A digital payment system for parking services, the digital
2 payment system utilizing a communication network and comprising:

3 a motorist interface accessible to the communication network;

4 a remote parking authorization interface having account data and meter
5 data, the remote parking authorization interface interacting with the motorist
6 interface via the communication network; and

7 an enforcement interface, the enforcement interface communicating
8 with the remote parking authorization interface via the communication
9 network.

1 2. The digital payment system of claim 1, wherein the
2 communication network further comprises a wireless network.

1 3. The digital payment system of claim 3, wherein the
2 communication network further comprises short-wave connectivity technology.

1 4. The digital payment system of claim 1, further comprising a
2 meter interface interacting with the motorist interface, the remote parking
3 authorization interface, and the enforcement interface.

1 5. The digital payment system of claim 1, wherein the remote
2 parking authorization interface further comprises a plurality of accounts.

1 6. The digital payment system of claim 5, wherein each account in
2 the plurality of accounts further comprises a unique account identifier, a
3 motorist name, number of vehicles, license numbers of vehicles, contact
4 information for motorist device, funding information, and balance.

1 7. The digital payment system of claim 1, wherein the remote
2 parking authorization interface further comprises a repository for storing the
3 accounts.

1 8. The digital payment system of claim 1, wherein the remote
2 parking authorization interface further comprises a plurality of parking space
3 identifiers.

1 9. The digital payment system of claim 8, wherein the remote
2 parking authorization interface further comprises time unit information
3 pertinent to a particular parking space identifier.

1 10. The digital payment system of claim 1, wherein the remote
2 parking authorization system further comprises historical and statistical
3 information.

1 11. The digital payment system of claim 1, wherein the remote
2 parking authorization system further comprises a suite of accounting programs.

1 12. The digital payment system of claim 1, wherein the motorist
2 interface further comprises a transmitter.

1 13. The digital payment system of claim 2, wherein the motorist
2 interface further comprises a receiver.

1 14. The digital payment system of claim 1, wherein the motorist
2 interface further comprises a visual display component.

1 15. The digital payment system of claim 1, wherein the motorist
2 interface further comprises one or more computer programs.

1 16. The digital payment system of claim 1, wherein the motorist
2 interface further comprises an intelligent card.

1 17. The digital payment system of claim 1, wherein the motorist
2 interface further comprises a short-wave transceiver.

1 18. The digital payment system of claim 1, wherein the enforcement
2 interface further comprises a short-wave transceiver.

1 19. The digital payment system of claim 4, wherein the meter
2 interface further comprises a short-wave transceiver.

1 20. A digital payment and enforcement system for parking services,
2 the payment system utilizing a wireless network and comprising:

3 a motorist interface having a short-wave transceiver accessible to the
4 wireless network;

5 a remote parking authorization interface having account data, meter
6 data, and a short-wave transceiver, the remote parking authorization interface
7 interacting with the motorist interface via the wireless network;

8 an enforcement interface having a short-wave transceiver, the
9 enforcement interface communicating with the remote parking authorization
10 interface via the wireless transceiver; and

11 a plurality of meter interfaces, each meter interface in the plurality of
12 meter interfaces having a short-wave transceiver, each meter interface in the
13 plurality of meter interfaces communicating with the remote parking
14 authorization interface, the motorist interface, and the enforcement interface.

1 21. A method for payment and enforcement of parking services, the
2 method comprising the steps of:

3 providing a motorist interface accessible to the communication
4 network;

5 providing a remote parking authorization interface having account data
6 and meter data, the remote parking authorization interface interacting with the
7 motorist interface via the communication network; and

NAV-10102/22
10425ess

- 8 providing an enforcement interface, the enforcement interface
9 communicating with the remote parking authorization interface via the
10 communication network.